

IN THE CLAIMS:

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Please cancel Claims 24-30, 32, 33, 35-41, 43, and 44 without prejudice or disclaimer of the subject matter presented therein.

Please amend Claims 1-23, 31, 34, and 42, as follows.

1. (Currently Amended) A network device control apparatus

comprising:

Sub B  
a ~~receiving means for receiving~~ unit adapted to receive data from a network by using a standard protocol;

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a ~~detecting means for detecting~~ unit adapted to detect a special attribute value in ~~said~~ a packet header of the data received by said receiving unit, the packet header being provided for the standard protocol with respect to said data; and

a ~~setting means for setting~~ unit adapted to set ~~various parameters a predetermined parameter of said network apparatus~~ in accordance with ~~said~~ the attribute value ~~in the case where a destination physical address of said data and its own physical address are the same~~ detected by said detecting unit.

2. (Currently Amended) An apparatus according to claim 1, wherein ~~in the case where~~ a destination logic address of ~~said~~ the received data and ~~its own~~ a logic address of said apparatus differ and ~~said~~ a destination physical address of the received data and ~~the own~~ a physical address of said apparatus are the same, said setting ~~means~~ unit sets the ~~various parameters~~ predetermined parameter in accordance with ~~said~~ the detected attribute value.

3. (Currently Amended) An apparatus according to claim 1, wherein said setting ~~means~~ unit sets a destination logic address of ~~said the received~~ data to ~~its own~~ a logic address of said apparatus.

4. (Currently Amended) An apparatus according to claim 1, wherein ~~said the~~ standard protocol is an Internet protocol, and ~~said the~~ physical address is ~~an IP~~ a media access control address, and the logic address is an Internet protocol address.

5. (Currently Amended) An apparatus according to claim 1, wherein ~~said physical address is an MAC address~~ said setting unit sets the predetermined parameter in accordance with the detected attribute value if a destination physical address of the received data and a physical address of said apparatus are the same.

6. (Currently Amended) An apparatus according to claim 4, wherein ~~said the received~~ data is an ICMP echo message by an ICMP protocol.

7. (Currently Amended) An apparatus according to claim 1, wherein ~~said the~~ attribute value is a data length of ~~said the received~~ data.

8. (Currently Amended) An apparatus according to claim 1, wherein ~~said the~~ attribute value is a TTL value of ~~said the received~~ data.

9. (Currently Amended) A network ~~device control~~ apparatus comprising:

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a receiving ~~means~~ unit adapted for receiving an ICMP echo message;

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a data length detecting ~~means~~ unit adapted for detecting a value of a data length in a packet header of said the ICMP echo message received by said receiving unit; and

a setting ~~means~~ unit adapted for setting ~~various setting parameters a predetermined parameter~~ in accordance with a the value of said the data length in the case where detected by said data length detecting unit if a destination MAC address and its own a MAC address of said apparatus are the same.

10. (Currently Amended) An apparatus according to claim 9, wherein ~~in the case where~~ if a destination IP address of said the received ICMP echo message and its own an IP address of said apparatus differ and said the destination MAC address and said own the MAC address of said apparatus are the same, said setting ~~means~~ unit sets the ~~various setting parameters~~ predetermined parameter in accordance with the detected value of said the data length.

11. (Currently Amended) An apparatus according to claim 9, wherein said setting ~~means~~ unit sets a destination IP address of ~~said the received~~ ICMP echo message to ~~its own~~ an IP address of said apparatus.

5. SUB B

12. (Currently Amended) A method of controlling a network device ~~control method~~ comprising:

a receiving step<sub>1</sub> of receiving data from a network by using a standard protocol;

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a detecting step<sub>2</sub> of detecting a special attribute value in ~~said a packet~~ header of the received data, the packet header being provided for the standard protocol with respect to ~~said data~~; and

a setting step of setting ~~various parameters~~ a predetermined parameter of the network device in accordance with ~~said the detected~~ attribute value in the case where a destination physical address of said data and its own physical address are the same.

13. (Currently Amended) A method according to claim 12, wherein in said setting step, ~~in the case where~~ if a destination logic address of ~~said the received~~ data and ~~its own a~~ logic address of said apparatus differ and ~~said a~~ destination physical address of the received data and ~~the own a~~ physical address of said apparatus are the same, the ~~various parameters are predetermined~~ parameter is set in accordance with ~~said the detected~~ attribute value.

14. (Currently Amended) A method according to claim 12, wherein in said setting step, a destination logic address of ~~said the received~~ data is set to ~~its own a~~ logic address of said apparatus.

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15. (Currently Amended) A method according to claim 12, wherein ~~said~~ standard protocol is an Internet protocol, and ~~said~~ the physical address is an IP a media access control address, and the logic address is an Internet protocol address.

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16. (Currently Amended) A method according to claim 12, wherein ~~said~~ physical address is an MAC address said setting step includes setting the predetermined parameter in accordance with the detected attribute value if a destination physical address of the received data and a physical address of said apparatus are the same.

17. (Currently Amended) A method according to claim 15, wherein ~~said~~ the received data is an ICMP echo message by an ICMP protocol.

18. (Currently Amended) A method according to claim 12, wherein ~~said~~ the attribute value is a data length of said the received data.

19. (Currently Amended) A method according to claim 12, wherein ~~said~~ the attribute value is a TTL value of said the received data.

20. (Currently Amended) A method of controlling a network device ~~control method~~ comprising:

a receiving step, of receiving an ICMP echo message;

a data length detecting step<sub>1</sub> of detecting a value of a data length in a packet header of said the received ICMP echo message; and

Sub B  
a setting step<sub>1</sub> of setting ~~various setting parameters~~ a predetermined value in accordance with ~~a the detected~~ the detected value of ~~said the data length in the case where if~~ a destination MAC address and ~~its own~~ a MAC address of the network device are the same.

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21. (Currently Amended) A method according to claim 20, wherein in said setting step, ~~in the case where if~~ a destination IP address of ~~said the received~~ ICMP echo message and ~~its own~~ an IP address of said apparatus differ and ~~said the~~ destination MAC address and ~~said own the~~ MAC address of said apparatus are the same, the ~~various setting parameters are~~ predetermined value is set in accordance with the detected value of ~~said the~~ data length.

22. (Currently Amended) A method according to claim 20, wherein in said setting step, a destination IP address of ~~said the received~~ ICMP echo message is set to ~~its own~~ an IP address of said apparatus.

23. (Currently Amended) A computer-readable recording medium which stores a network device control program, wherein said network device control program comprises:  
code for a receiving step<sub>1</sub> of receiving data from a network by using a standard protocol;

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code for a detecting step<sub>1</sub> of detecting a special attribute value in said  
a packet header of the received data, the packet header being provided for the standard

protocol with respect to said data; and

code for a setting step<sub>1</sub> of setting various parameters a predetermined  
parameter of the network device in accordance with said the detected attribute value in the  
case where a destination physical address of said data and its own physical address are the  
same.

Claims 24-30 ( Currently Canceled)

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31. (Currently Amended) A computer-readable recording medium  
which stores a network device control program, wherein said network device control  
program comprises:

code for a receiving step<sub>1</sub> of receiving an ICMP echo message;

code for a data length detecting step<sub>1</sub> of detecting a value of a data  
length in a packet header of said the received ICMP echo message; and

code for a setting step<sub>1</sub> of setting various setting parameters a  
predetermined value in accordance with a the detected value of said the data length in the  
case where if a destination MAC address and its own a MAC address of the network device  
are the same.

Claims 32 and 33 (Currently Canceled)

34. (Currently Amended) A network device control program

Sub B<sup>1</sup> comprising:

code for a receiving step<sub>1</sub> of receiving data from a network by using

a standard protocol;

code for a detecting step<sub>2</sub> of detecting a special attribute value in said

a packet header of the received data, the packet header being provided for the standard

protocol with respect to said data; and

code for a setting step<sub>3</sub> of setting various parameters a predetermined

parameter of the network device in accordance with said the detected attribute value in the

case where a destination physical address of said data and its own physical address are the

same.

Claims 35-41 (Currently Canceled)

42. (Currently Amended) A network device control program .

Sub B<sup>1</sup> comprising:

code for a receiving step<sub>1</sub> of receiving an ICMP echo message;

code for a data length detecting step<sub>2</sub> of detecting a value of a data

length in a packet header of said the received ICMP echo message; and

code for a setting step<sub>3</sub> of setting various setting parameters a

predetermined value in accordance with a the detected value of said the data length in the

case where if a destination MAC address and its own a MAC address of the network device

are the same.



Claims 43 and 44 (Currently Canceled)